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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/904,578	07/12/2001	Richard C. Eden	IS9-017	2358	
21567	7590 08/30/2002				
	WELLS ST. JOHN ROBERTS GREGORY & MATKIN P.S.			EXAMINER	
601 W. FIRST AVENUE SUITE 1300			NGO, NGAN V		
SPOKANE, WA 99201-3828			ART UNIT	PAPER NUMBER	
			2814		
			DATE MAILED: 08/30/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

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j	Application No.	Applicant(s)				
•	09/904,578	EDEN ET AL.				
Office Action Summary	Examiner	Art Unit				
	Ngan Ngo	2814				
The MAILING DATE of this communication Period for Reply	appears on the cover sheet with the o	correspondence ad	ddress			
A SHORTENED STATUTORY PERIOD FOR RE THE MAILING DATE OF THIS COMMUNICATIO  - Extensions of time may be available under the provisions of 37 CFF after SIX (6) MONTHS from the mailing date of this communication  - If the period for reply specified above is less than thirty (30) days, a  - If NO period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by states and patent term adjustment. See 37 CFR 1.704(b).  Status	N. R 1.136(a). In no event, however, may a reply be tirely within the statutory minimum of thirty (30) day riod will apply and will expire SIX (6) MONTHS from atute, cause the application to become ABANDONE	nely filed s will be considered time the mailing date of this of (D) (35 U.S.C. § 133).	ely. communication.			
1) Responsive to communication(s) filed on	22 July 2002 .		•			
2a) ☐ This action is <b>FINAL</b> . 2b) ☑	This action is non-final.		• •			
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims			.•			
4) Claim(s) 1-34 is/are pending in the applica	ition.		•			
4a) Of the above claim(s) is/are with	drawn from consideration.		. •			
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-34</u> is/are rejected.						
7) Claim(s) is/are objected to.			•			
8) Claim(s) are subject to restriction an	d/or election requirement.					
Application Papers						
9) The specification is objected to by the Examiner.						
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
11) The proposed drawing correction filed on is: a) ☐ approved b) ☐ disapproved by the Examiner.  If approved, corrected drawings are required in reply to this Office action.						
12) The oath or declaration is objected to by the Examiner.						
Priority under 35 U.S.C. §§ 119 and 120						
13) Acknowledgment is made of a claim for for	eign priority under 35 U.S.C. & 1196	a)-(d) or (f)				
a) ☐ All b) ☐ Some * c) ☐ None of:	o.g., p.101.ky aliasy ou 2.010.	-, (-, 0. (.).				
1. Certified copies of the priority docum	ents have been received.		-			
2. Certified copies of the priority docum		ion No				
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).						
* See the attached detailed Office action for a	list of the certified copies not receive	ed.	1			
14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).						
<ul> <li>a)  The translation of the foreign language</li> <li>15) Acknowledgment is made of a claim for dom</li> </ul>	• •					
Attachment(s)			•			
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449) Paper Not</li> </ol>	5) Notice of Informal	y (PTO-413) Paper N Patent Application (P	• •			

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The amendment filed July 22, 2002 has been entered and made of record as paper no. 7.

The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claims 2 and 13 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 2, "the power semiconductor switching device" has no antecedent basis.

In claim 13, "the power semiconductor device" has no antecedent basis.

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-34 are rejected under 35 U.S.C. 103(a) as being unpatentable over Burstein et al (US-6,278,264, cited by Applicants).

Burstein discloses an integrated circuit assembly comprising a flip chip (16) having a plurality of field effect transistors and a package (44) connected to the field effect transistors formed in the flip chip. Note line 7 of column 1 and lines 37-40 of column 2 of Burstein. Since the transistors are used to form power transistors, it would have been obvious to one of ordinary skill in the art that the power transistors can

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conduct current exceeding one Amperes. The solder bumps 56 in Burstein's device is obviously connected to the sources and drains of the power transistor in order to connect the current to the printed circuit board 46.

In re claims 2-16 and 18-34, figures 3A-8G discloses all of the connections between the field effect transistor and the printed circuit board.

The other reference is cited to show other structure pertinent to Applicants' disclosure.

Any inquiry concerning this communication should be directed to Examiner Ngan Ngo at telephone number (703) 308-4938. The fax number for the Art unit is (703) 308-7722.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (703) 308-0956.

> Ngan Van Ngo Primary Examiner

Ngan Ngo

August 23, 2002